OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 1\_ OF 45

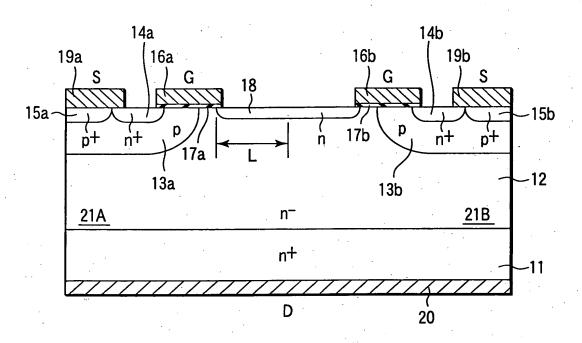
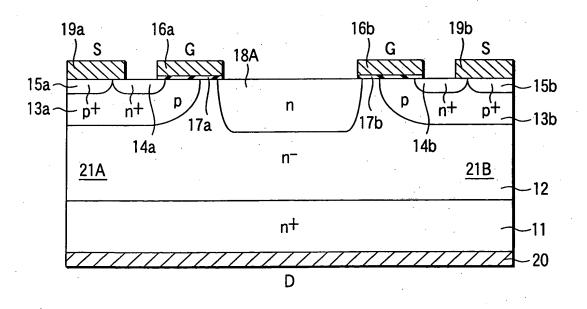


FIG.1



F I G. 2

OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>2</u> OF <u>45</u>

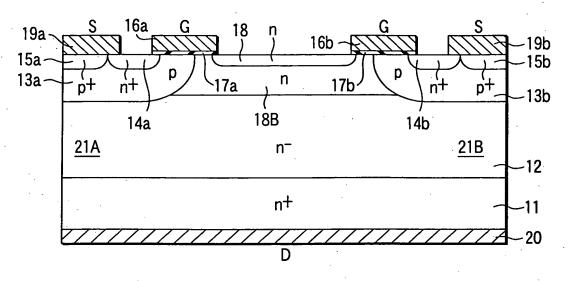


FIG.3

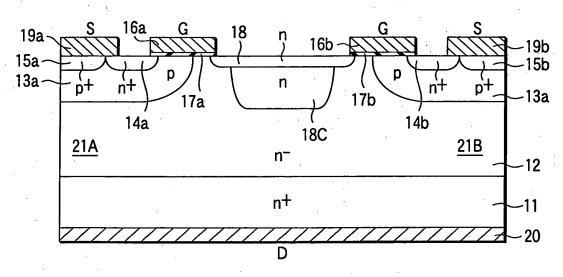
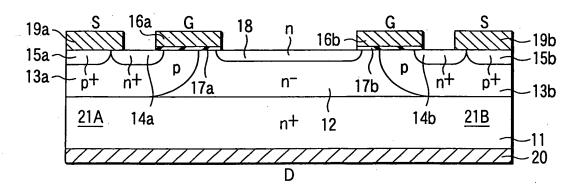
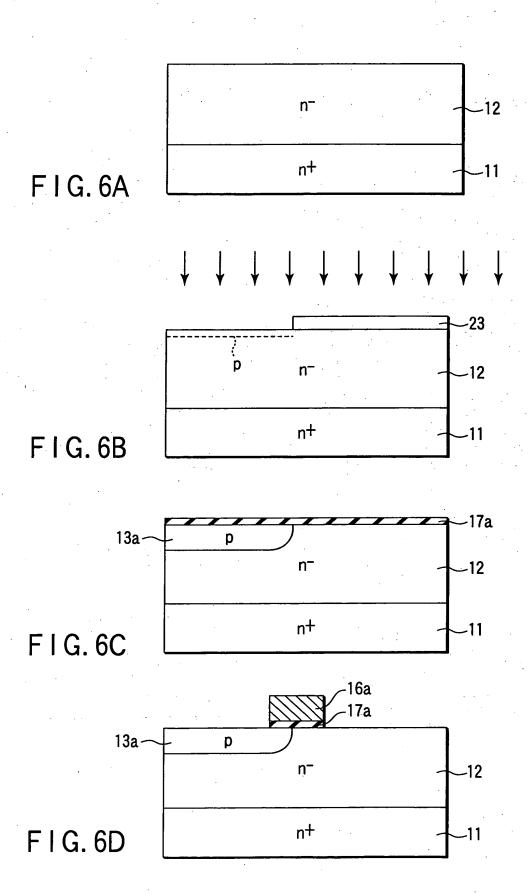


FIG.4

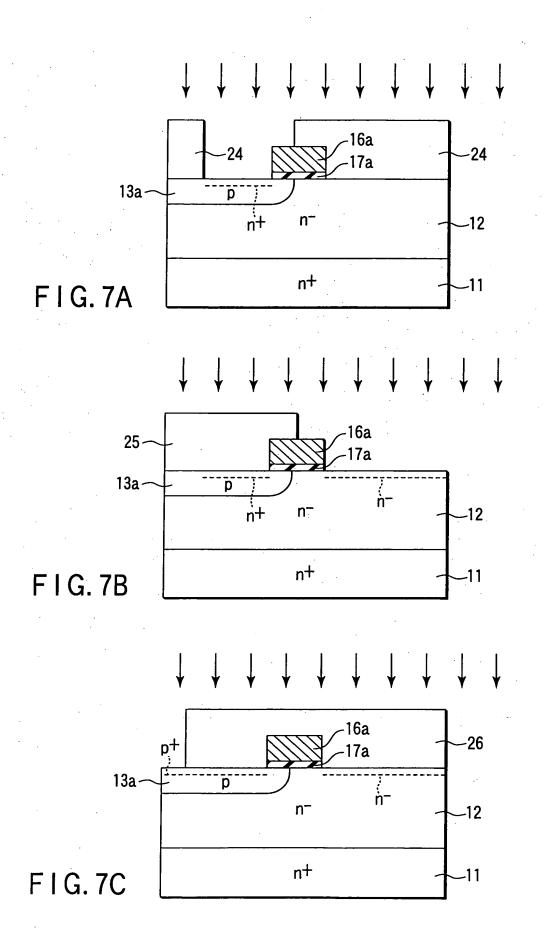


F I G. 5

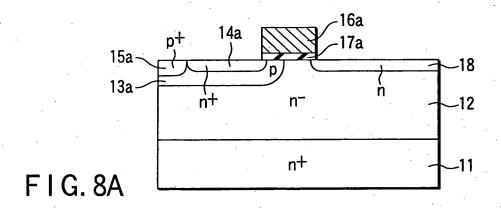
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 3 OF 45

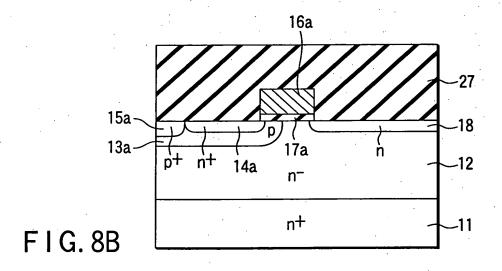


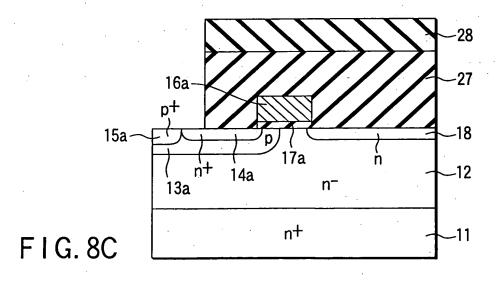
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 4 OF 45



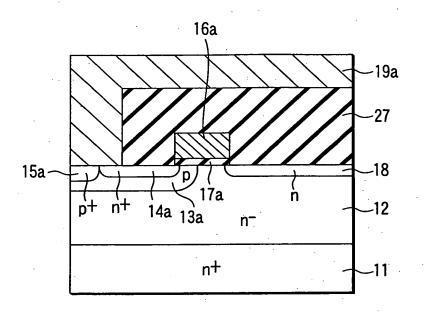
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>5</u> OF <u>45</u>







OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>6</u> OF <u>45</u>



F I G. 9A

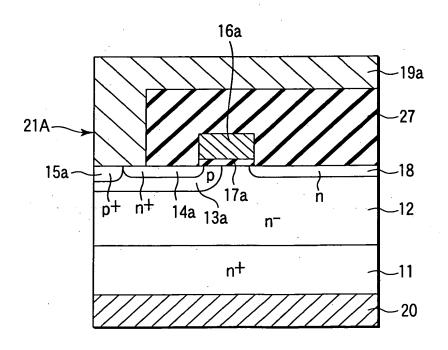
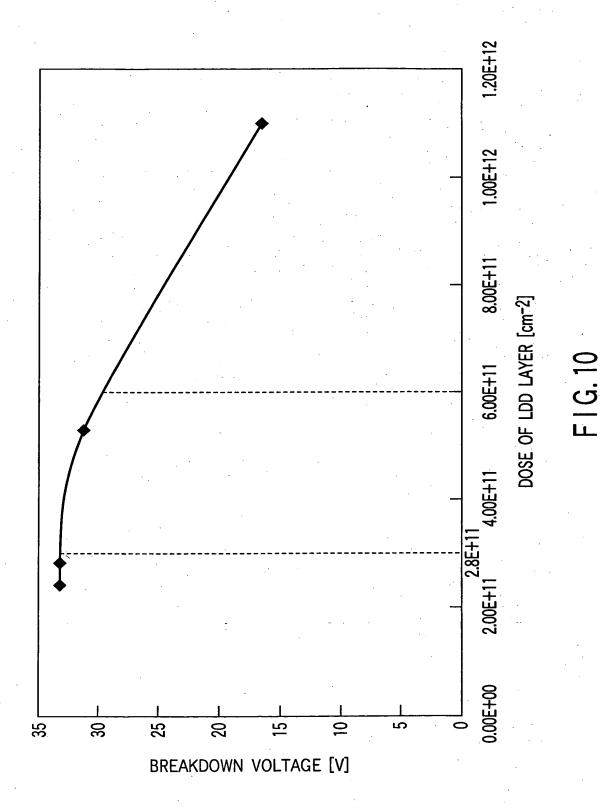


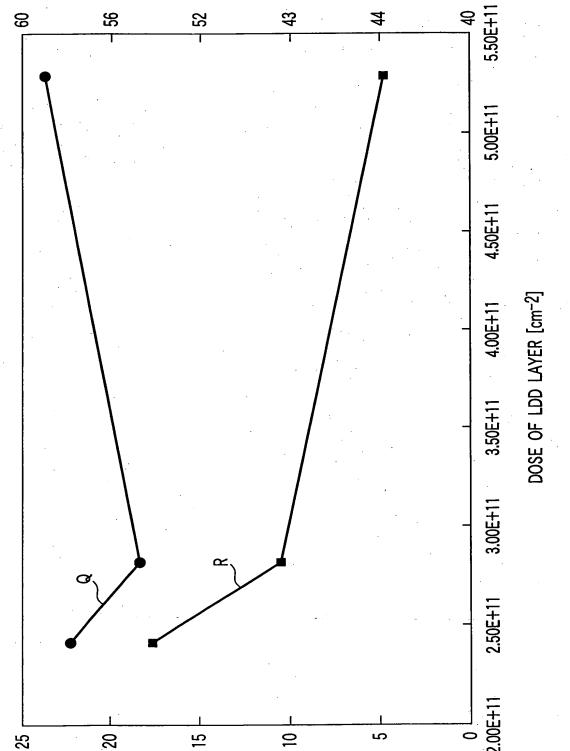
FIG.9B



ON RESISTANCE  $[m\Omega]$ 

26

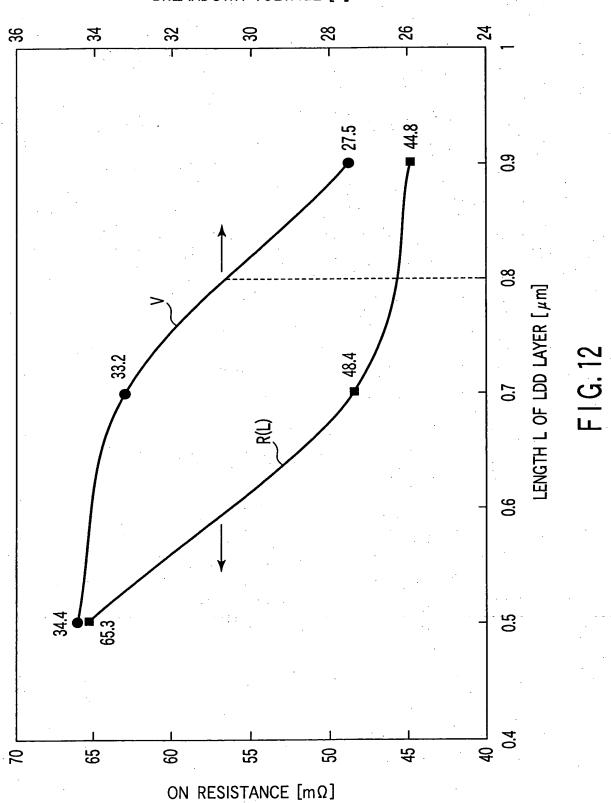
8



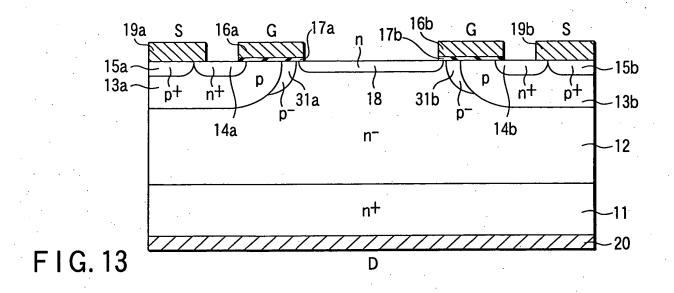
PRODUCT OF ON RESISTANCE AND CHARGES STORED BETWEEN GATE AND DRAIN

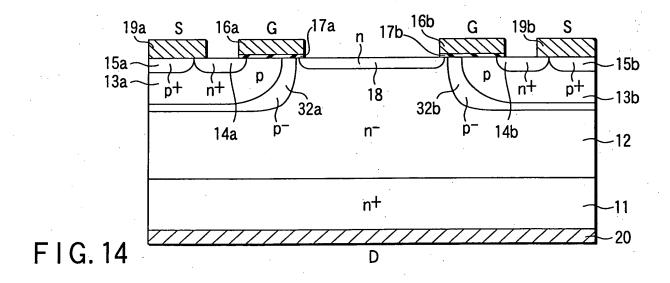
F1G.11

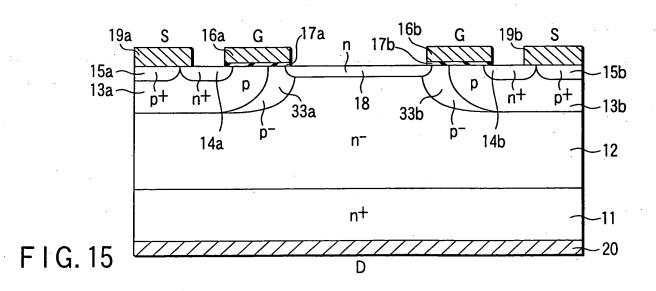
BREAKDOWN VOLTAGE [V]



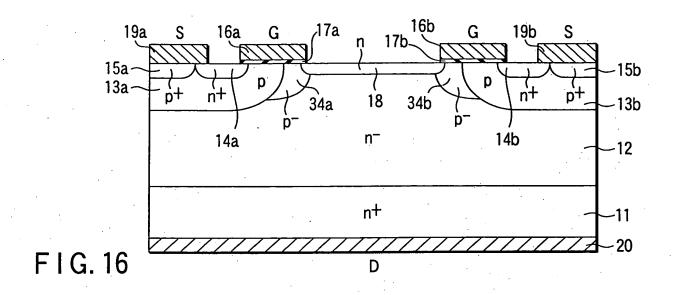
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 10 OF 45

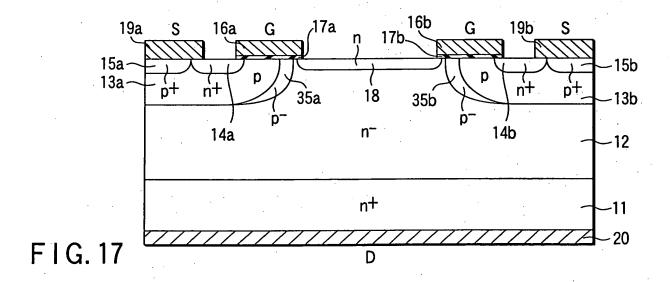


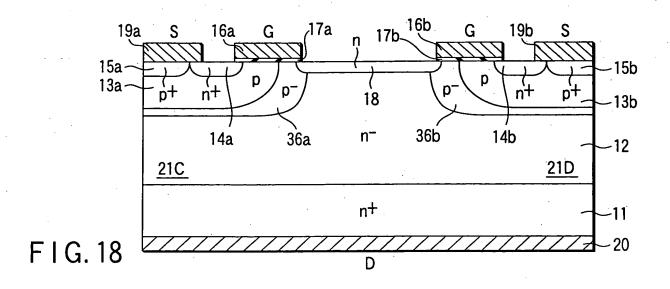




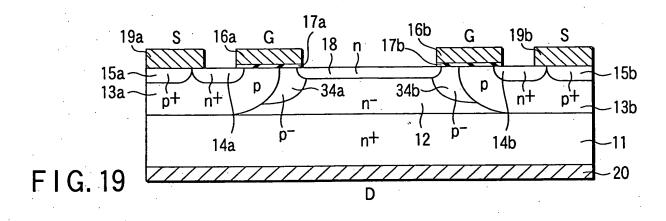
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 11 OF 45

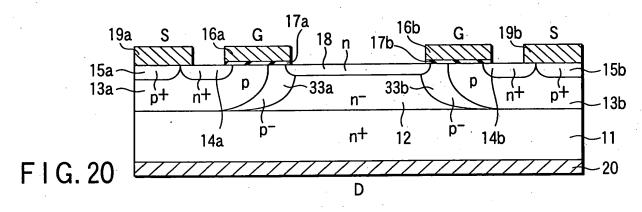


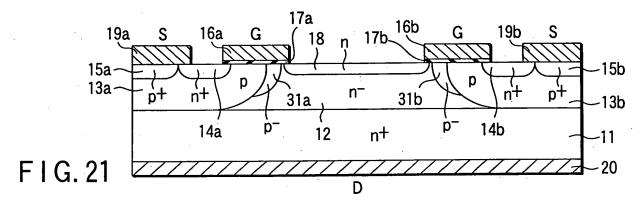


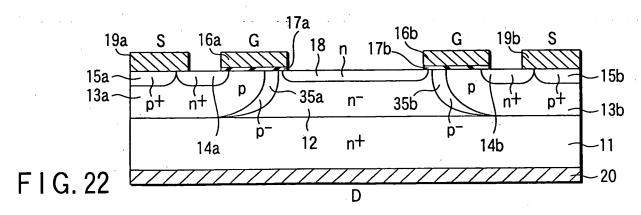


OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 12 OF 45

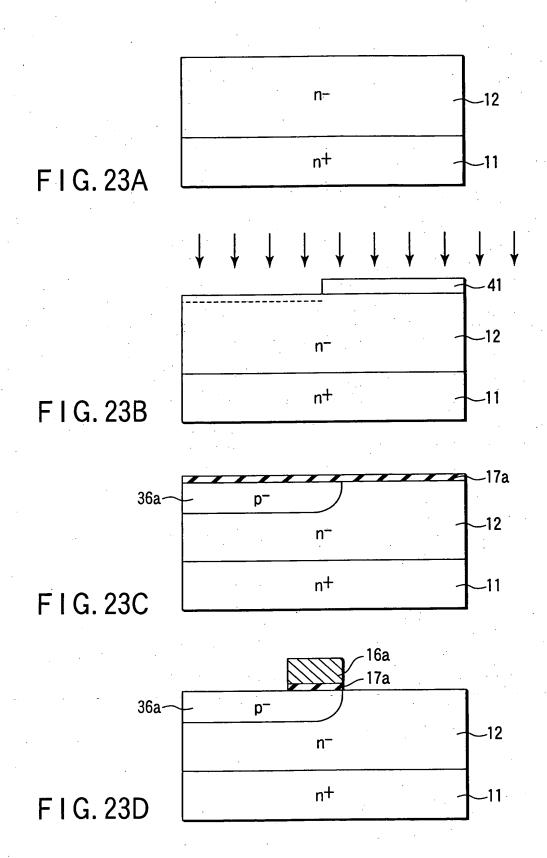




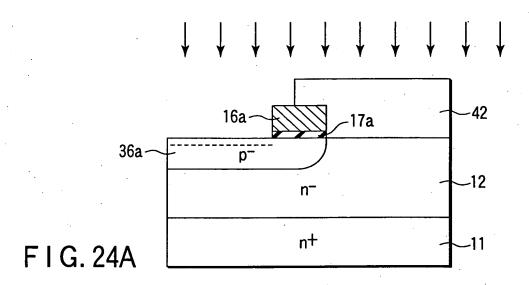


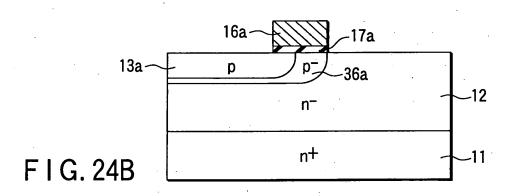


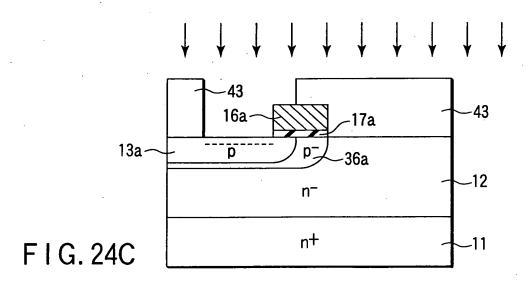
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 13 OF 45



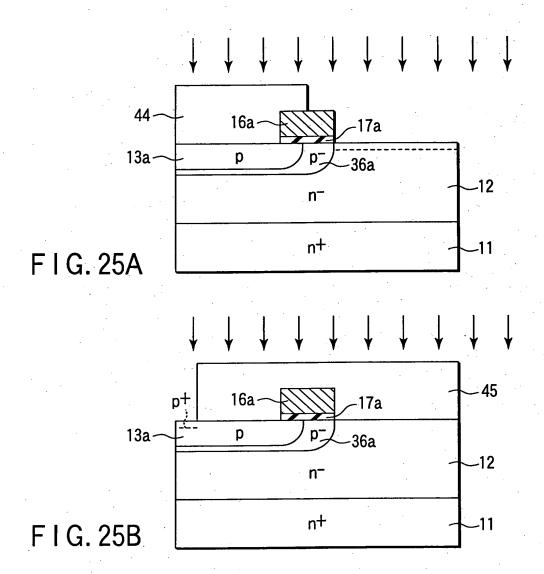
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 14 OF 45

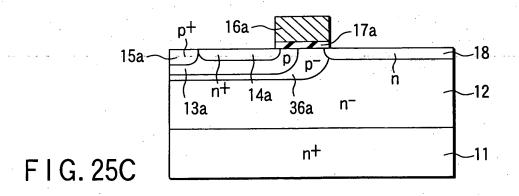




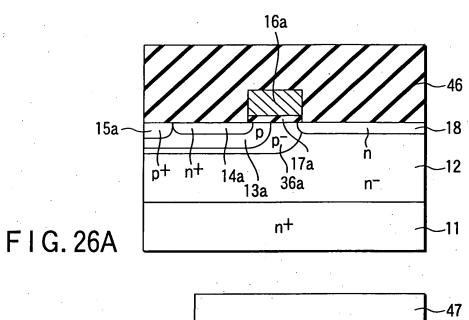


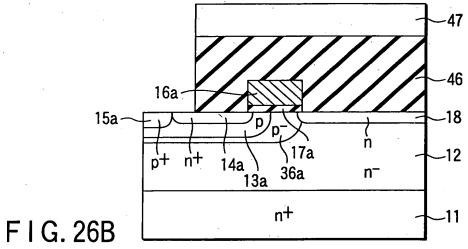
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>15</u> OF <u>45</u>

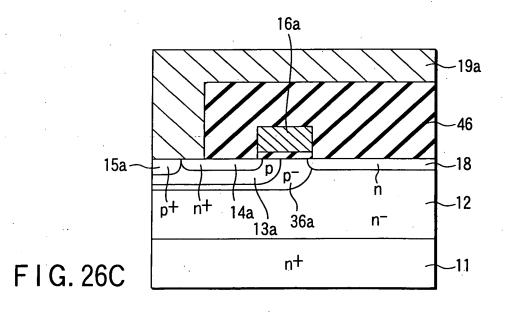




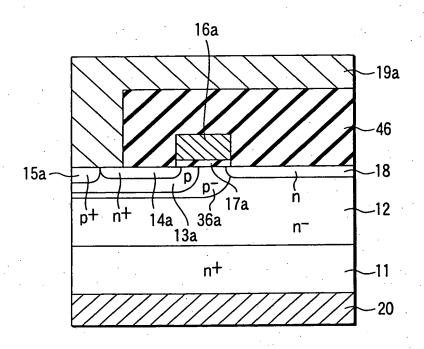
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>16</u> OF <u>45</u>







OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>17</u> OF <u>45</u>



F I G. 27

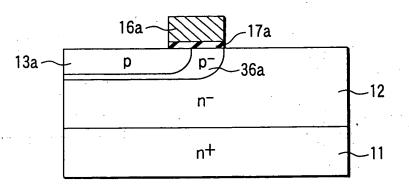
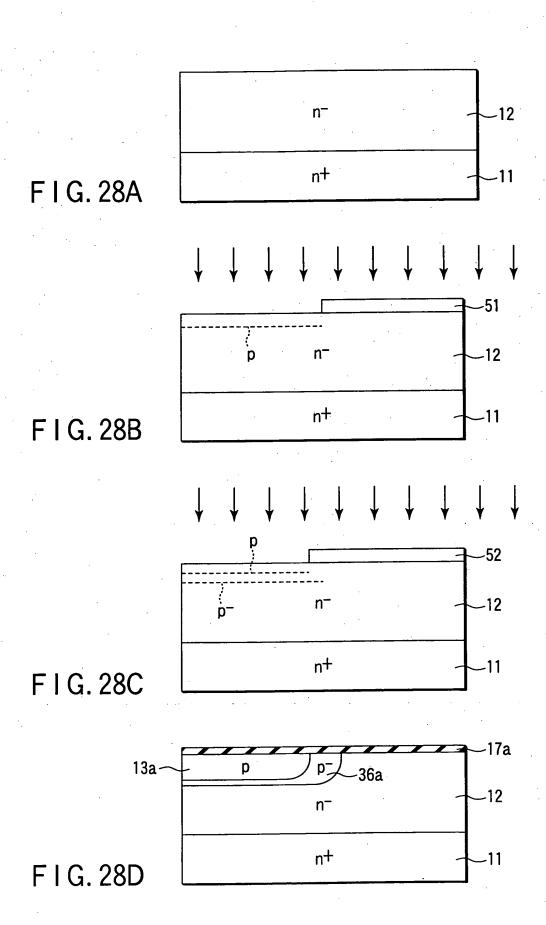


FIG. 29

OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>18</u> OF <u>45</u>



OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 19 OF 45

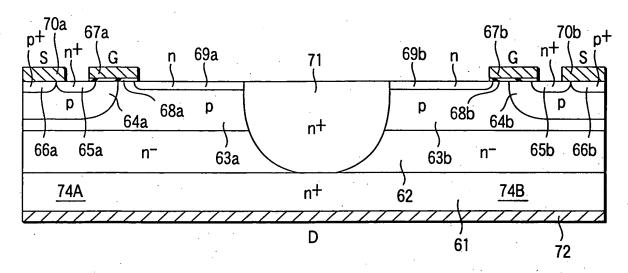


FIG. 30

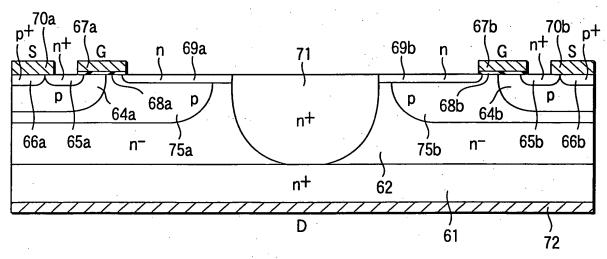


FIG. 31

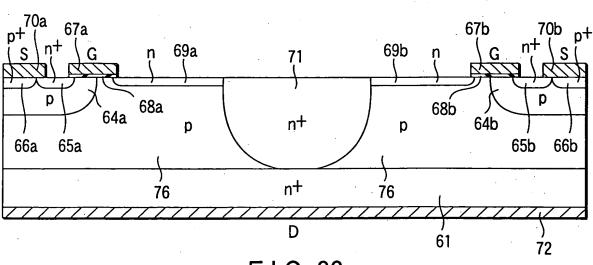
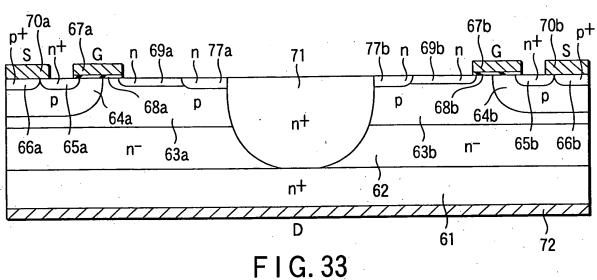


FIG. 32



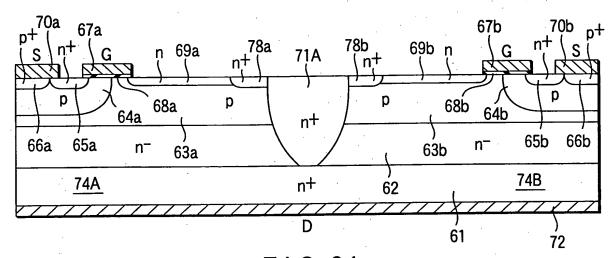
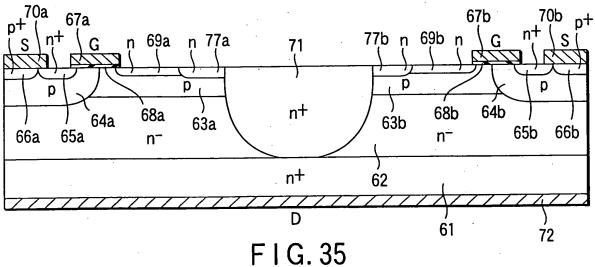
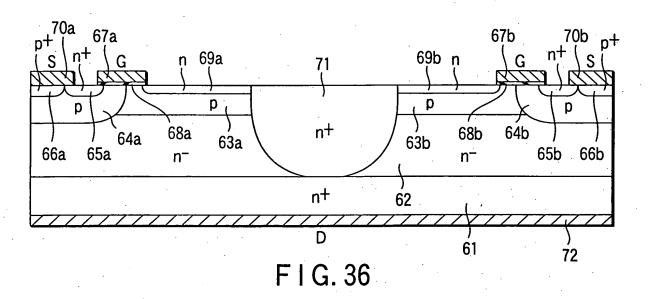
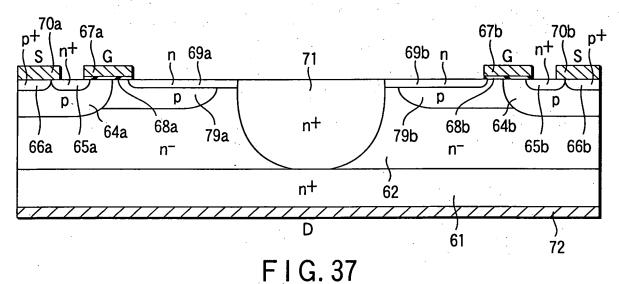


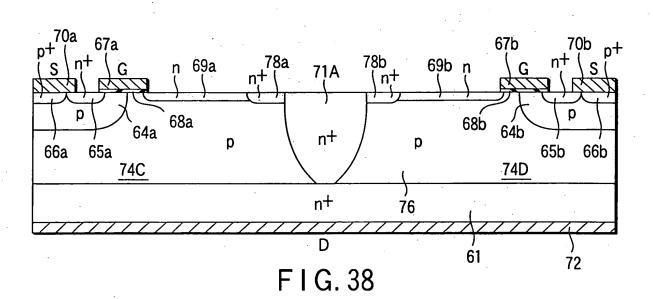
FIG. 34



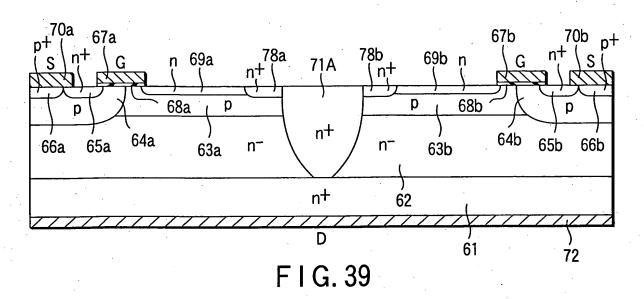
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 21 OF 45

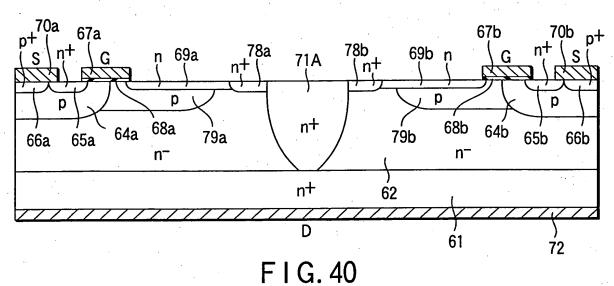


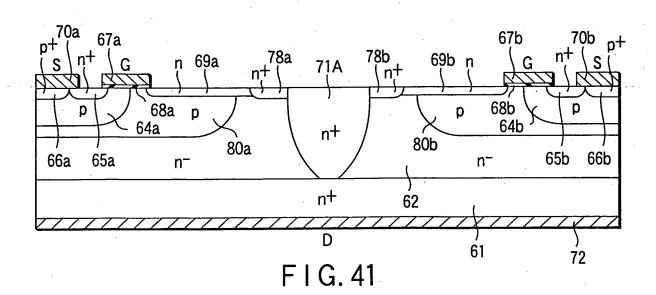


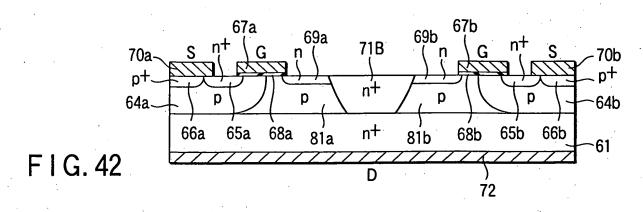


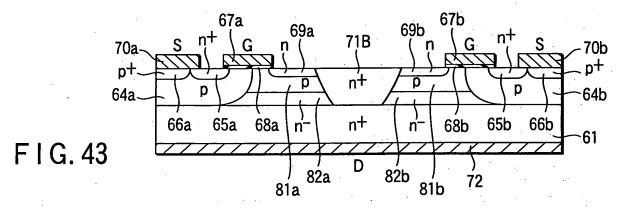
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>22</u> OF <u>45</u>

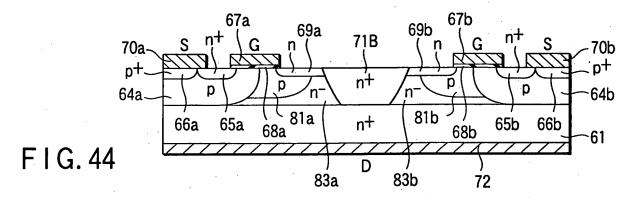


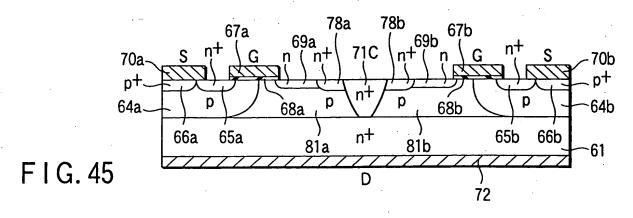












OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>24</u> OF <u>45</u>

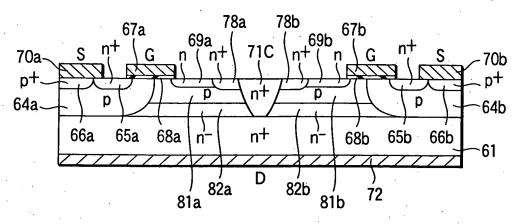


FIG. 46

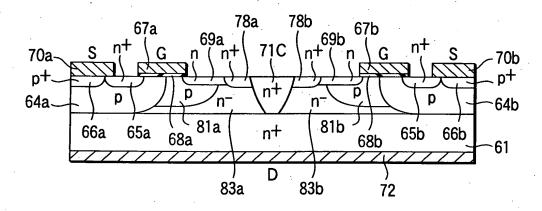


FIG. 47

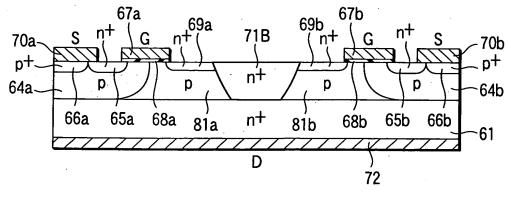
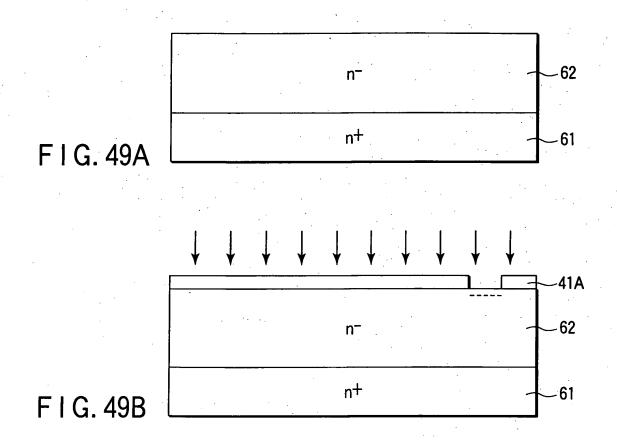
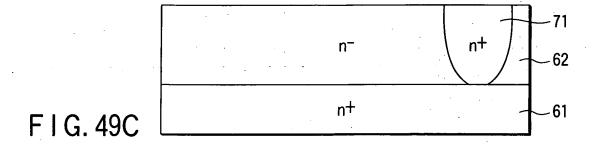


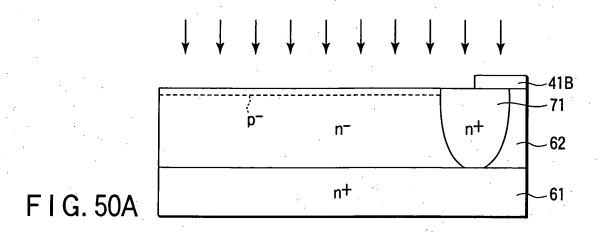
FIG. 48

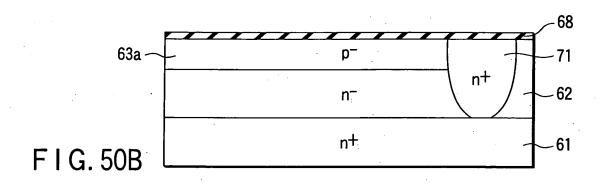
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 25 OF 45

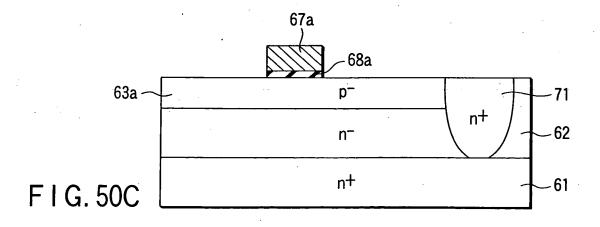




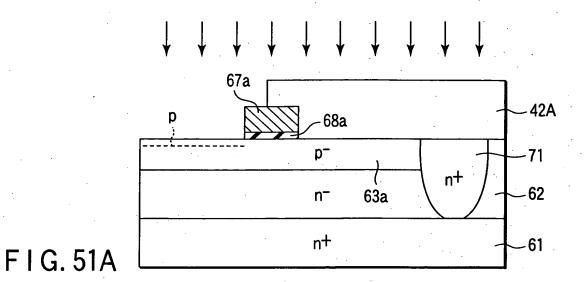
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET <u>26</u> OF <u>45</u>

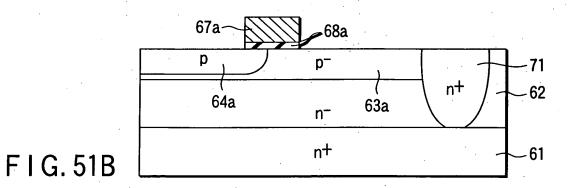


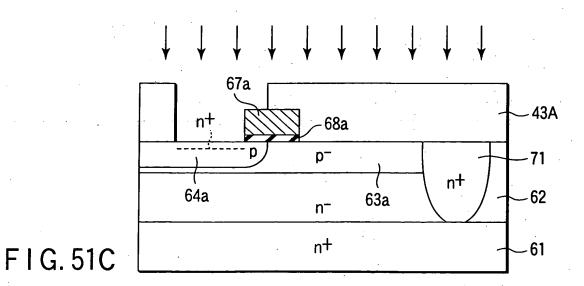


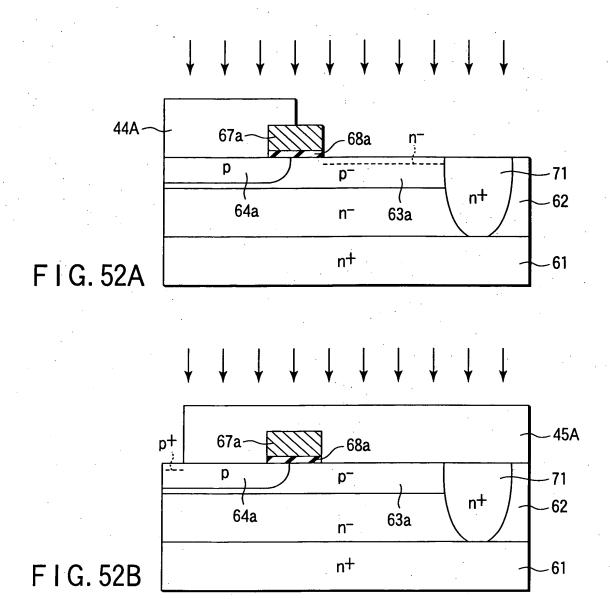


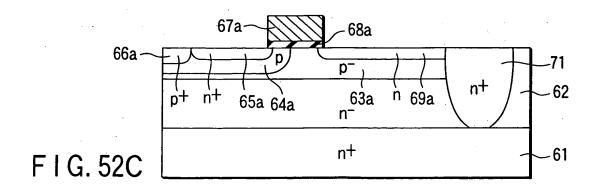
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 27 OF 45



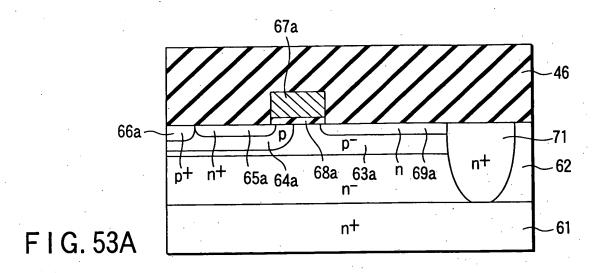


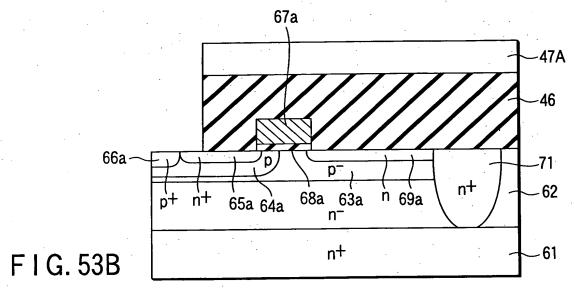


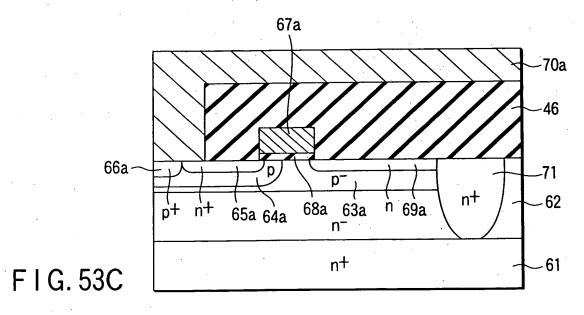




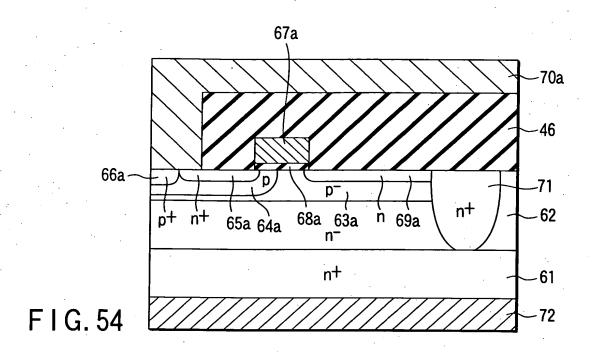
OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 29 OF 45

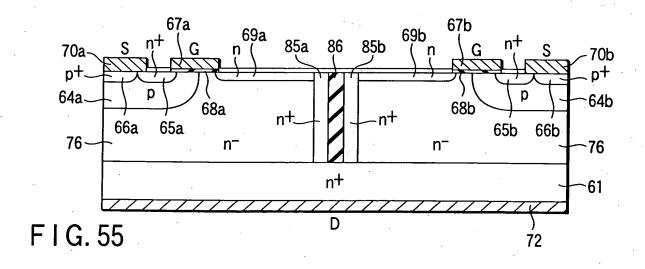


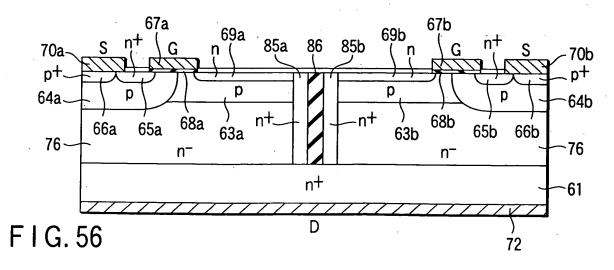




OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 30 OF 45







OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 31 OF 45

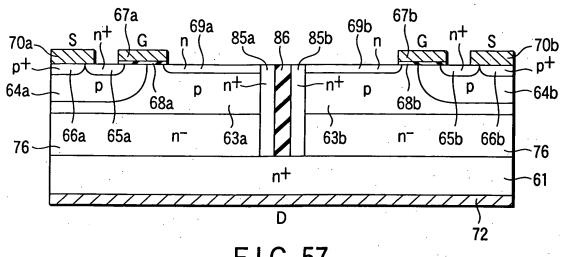


FIG. 57

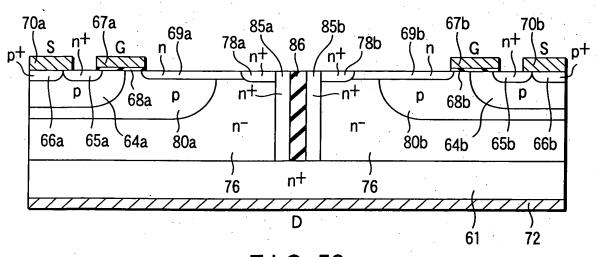


FIG. 58

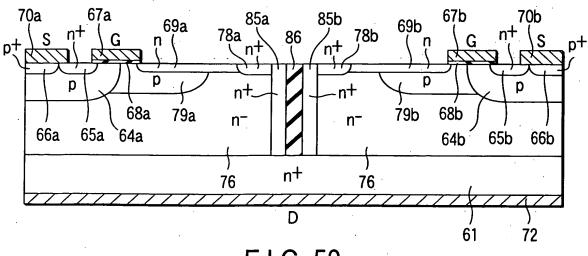
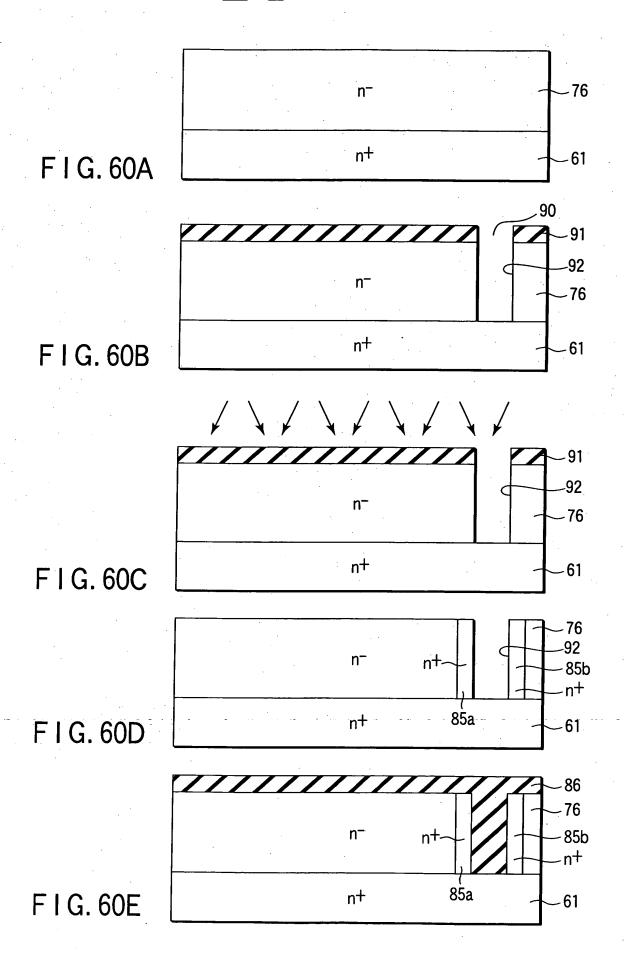
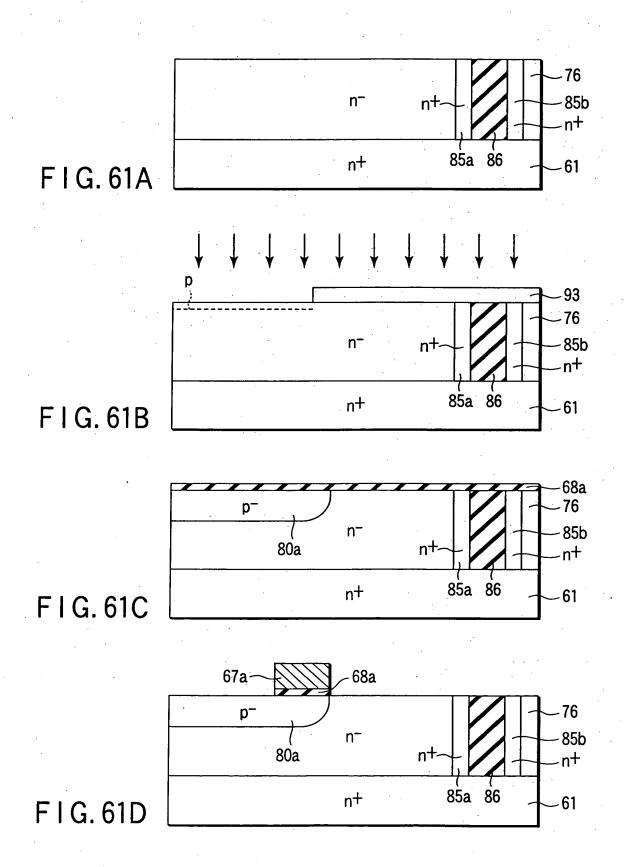


FIG. 59

OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 32 OF 45



OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 33 OF 45



OBLON, SPIVAK, ET AL DOCKET#: 249163US2SDIV INV: Yusuke KAWAGUCHI et al SHEET 34 OF 45

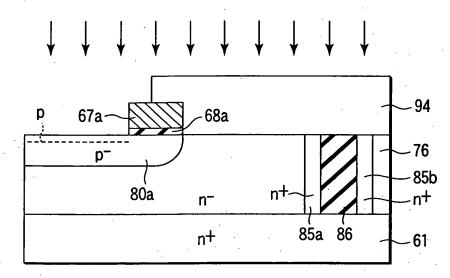
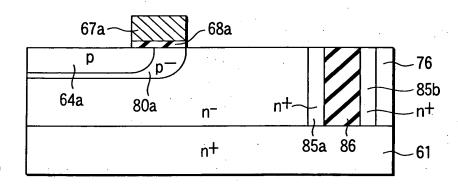
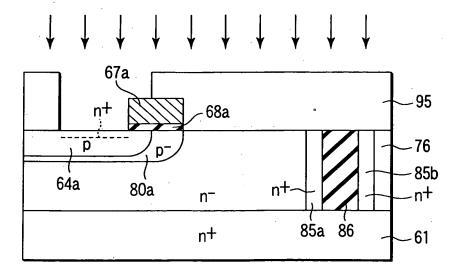


FIG. 62A

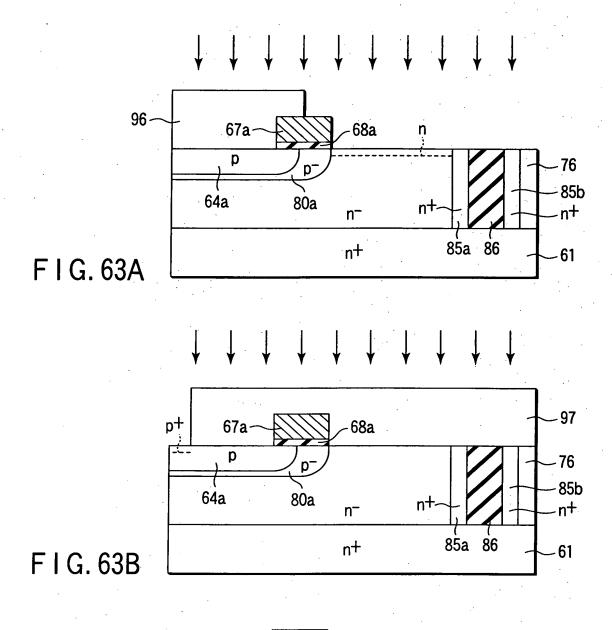


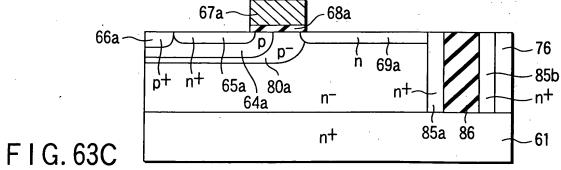
F I G. 62B



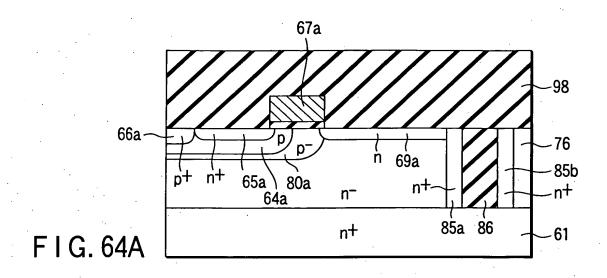
F I G. 62C

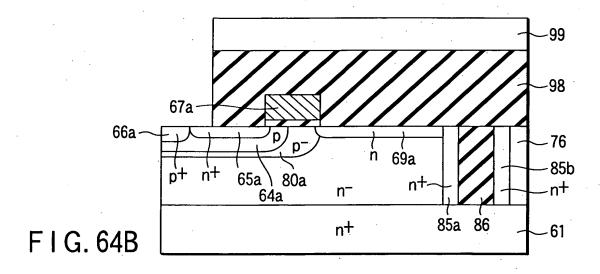
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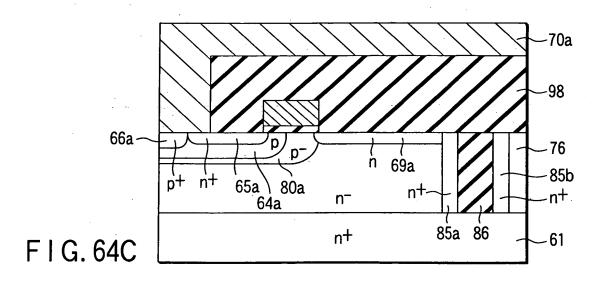




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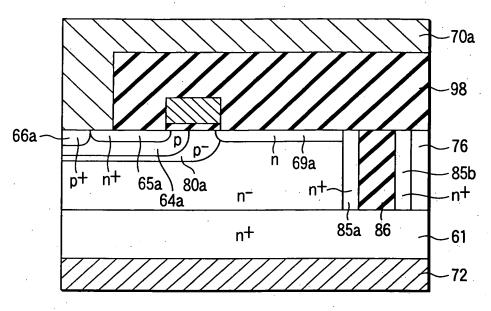
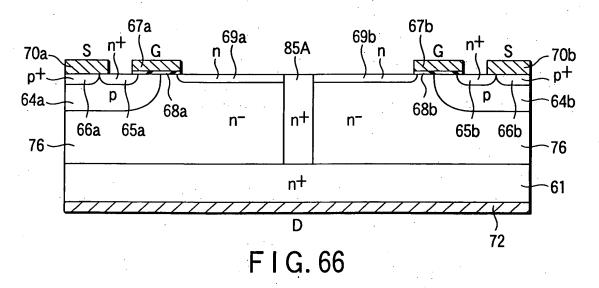
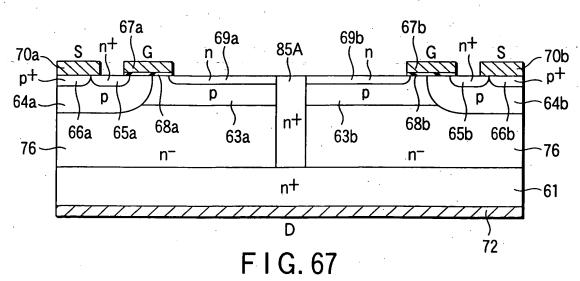
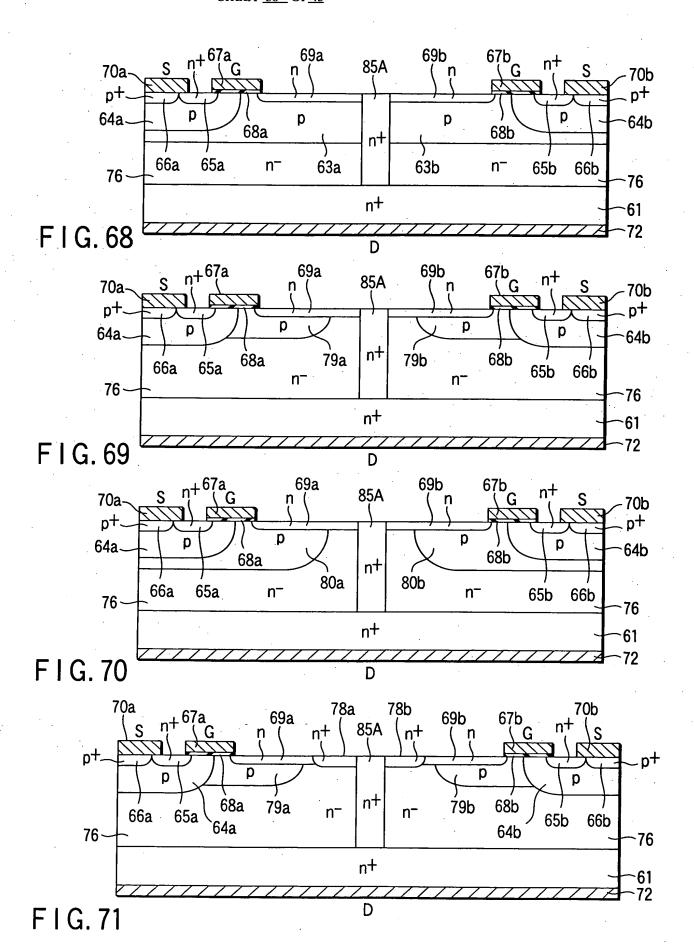


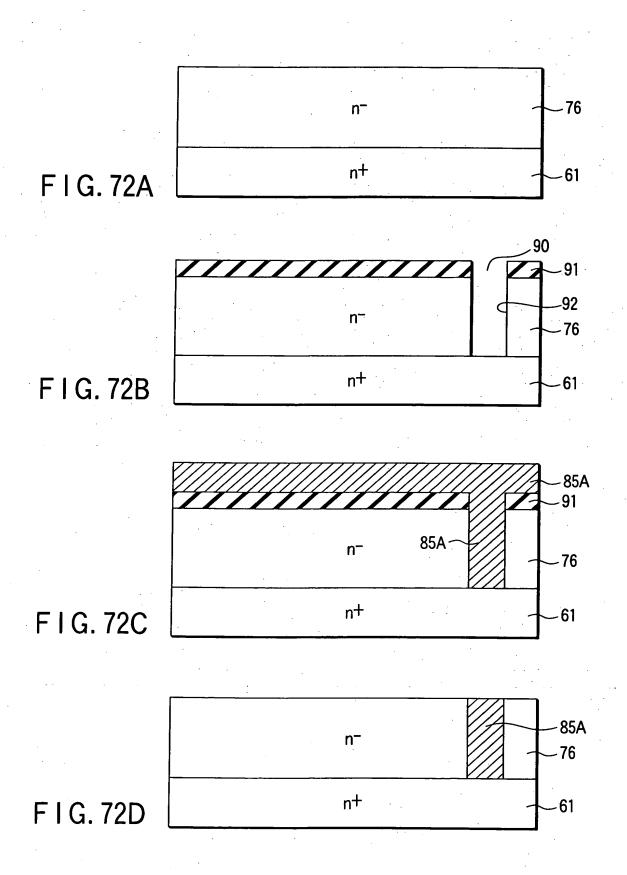
FIG. 65





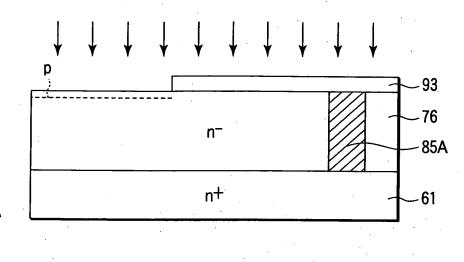


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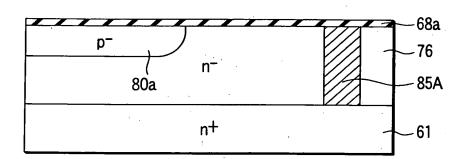


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F I G. 73A



F I G. 73B

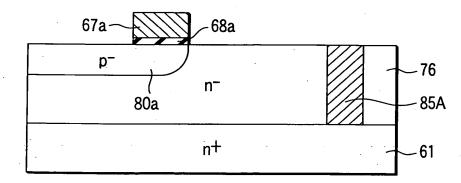
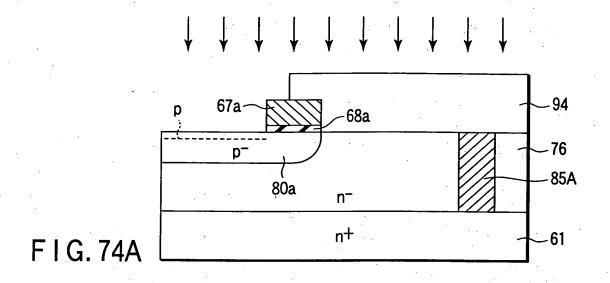
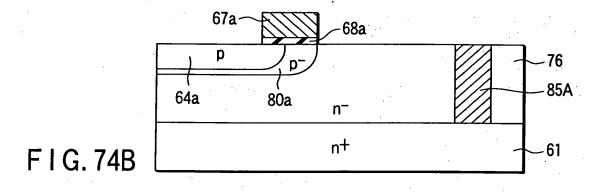
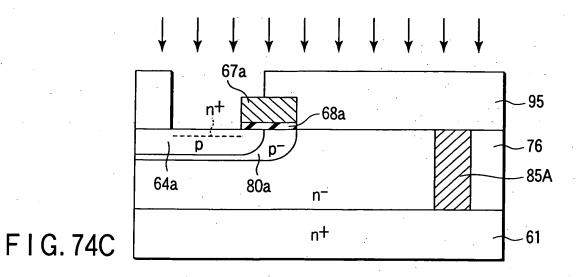


FIG. 73C

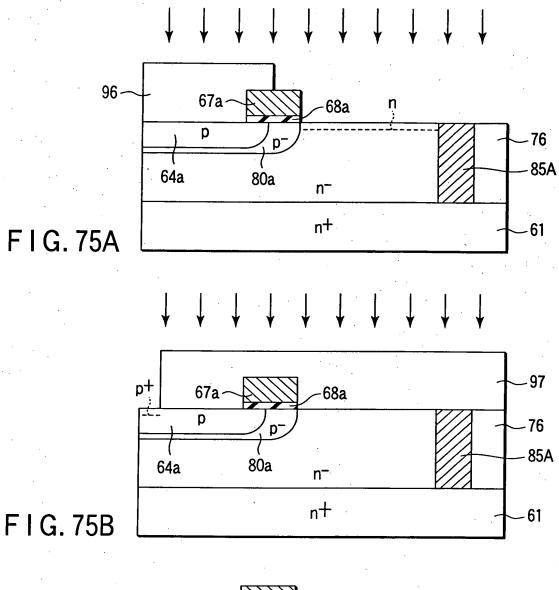
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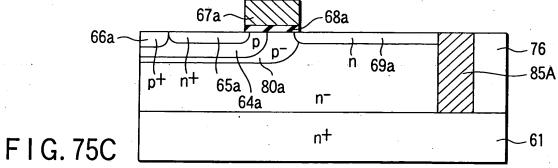


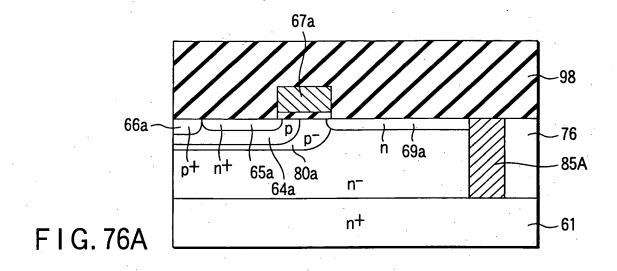


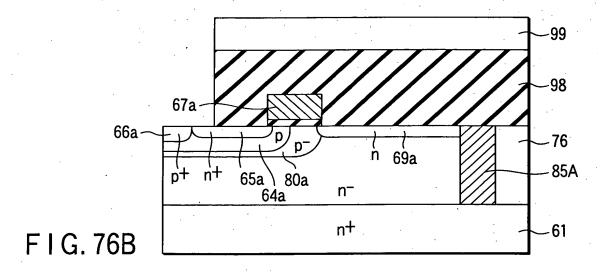


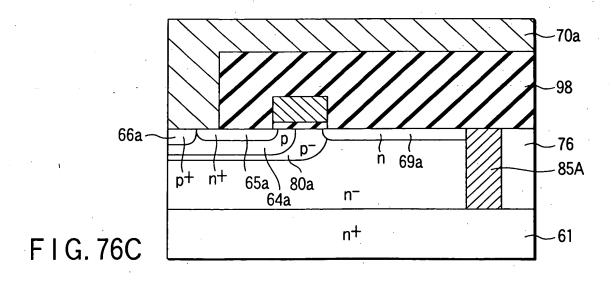
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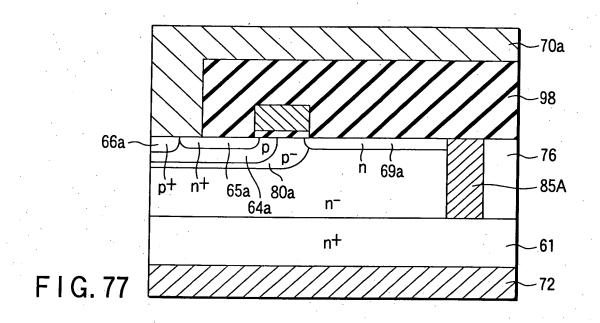


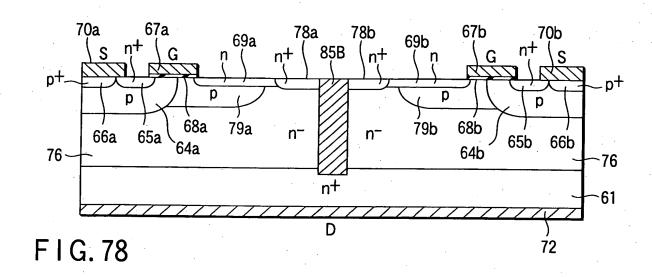


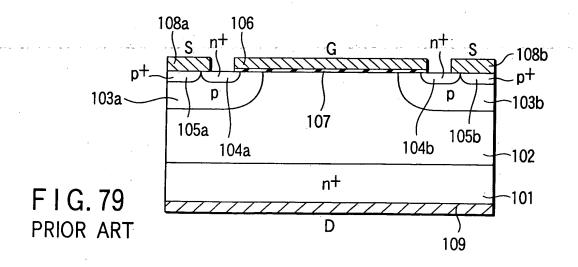




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